

Title (en)
BATTERY CELL ASSEMBLY, HEAT EXCHANGER, AND METHOD FOR MANUFACTURING HEAT EXCHANGER

Title (de)
BATTERIEZELLENANORDNUNG, WÄRMETAUSCHER UND VERFAHREN ZUR HERSTELLUNG DES WÄRMETAUSCHERS

Title (fr)
ENSEMBLE D'ÉLÉMENTS DE BATTERIE, ÉCHANGEUR DE CHALEUR ET PROCÉDÉ POUR FABRIQUER LEDIT ÉCHANGEUR DE CHALEUR

Publication
EP 2626921 B1 20171101 (EN)

Application
EP 11830856 A 20110927

Priority

- US 89713510 A 20101004
- KR 2011007077 W 20110927

Abstract (en)
[origin: US2012082880A1] A battery cell assembly, a heat exchanger, and a method for manufacturing the heat exchanger are provided. The heat exchanger includes a rectangular-shaped sheet having first and second rectangular-shaped sheet portions coupled together at a bent edge such that the sheet portions are disposed proximate to one another. Outer edges of the first and second rectangular-shaped sheet portions are coupled together such that an interior region is formed between the first and second rectangular-shaped sheet portions. The bent edge has first and second apertures extending therethrough. The heat exchanger further includes a first inlet port disposed on the bent edge over the first aperture, and a second outlet port disposed on the bent edge over the second aperture, such that fluid can flow through the first inlet port and into the interior region and then through the outlet port.

IPC 8 full level
H01M 2/00 (2006.01); **F28D 1/03** (2006.01); **F28D 9/00** (2006.01); **F28F 3/02** (2006.01); **F28F 3/04** (2006.01); **F28F 3/12** (2006.01); **H01M 8/24** (2016.01); **H01M 10/6557** (2014.01)

CPC (source: EP KR US)
B21D 53/04 (2013.01 - EP KR US); **F28F 3/044** (2013.01 - KR); **F28F 3/12** (2013.01 - EP KR US); **H01M 10/0525** (2013.01 - KR); **H01M 10/647** (2015.04 - EP KR US); **H01M 10/6557** (2015.04 - EP KR US); **H01M 50/183** (2021.01 - KR); **H01M 50/30** (2021.01 - KR); **F28F 3/044** (2013.01 - EP US); **H01M 10/0525** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP KR); **Y10T 29/49366** (2015.01 - EP US)

Cited by
EP3062382A4; JP2016539456A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2012082880 A1 20120405; US 8662153 B2 20140304; CN 103229327 A 20130731; CN 103229327 B 20150902; EP 2626921 A2 20130814; EP 2626921 A4 20150128; EP 2626921 B1 20171101; KR 101212616 B1 20121214; KR 20120035109 A 20120413; WO 2012046971 A2 20120412; WO 2012046971 A3 20120614; WO 2012046971 A9 20120802

DOCDB simple family (application)
US 89713510 A 20101004; CN 201180048289 A 20110927; EP 11830856 A 20110927; KR 2011007077 W 20110927; KR 20110097292 A 20110927